## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Stefan HÖRETH									
FILE	D: Herewith								
FOR:	METHOD AND APPARATUS FOR DETERMINING THE MINIMUM OR MAXIMUM SWITCHING ACTIVITY OF A DIGITAL CIRCUIT								
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CERTIFICATE OF EXPRESS MAILING									
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as Express Mail No. EV 317952264 US in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria VA 22313-1450 on November									
21, 20	J03.	By: Megma M. Edwards  Regina M. Edwards							
444444									
Mail Stop PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450									
		INFORMATION DISCLOSURE STATEMENT							
Sir:									
Pursuant to 37 C.F.R. §§ 1.97 and 1.98, Applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.									
I.	LIST OF PAT	TENTS, PUBLICATIONS OR OTHER INFORMATION							
The patents, publications or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.									
II.	COPIES								
	aX	Submitted herewith is a legible copy of (i) each U.S and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.							
	b	Each of the patents, publications or other information listed on the attached PTO-1449 was previously cited by or submitted to the USPTO in connection with U.S.S.N.:, to which the subject application claims the benefit of the earlier filing date. As such, a copy of each is not included herewith pursuant to 37 C.F.R. §							

1.97(d).

Attorney Docket No.: 60234 (45107) Inventor: Stefan HORETH

Filed: Herewith

## CONCISE EXPLANATION OF THE RELEVANCE III. (check at least one box)

IV.

aX	Except as may be indicated below in (b), all of the patents, publications or other information are in the English language or were cited in an English language Search Report, a copy of which is attached hereto (concise explanation not required).						
b	A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows:						
En En Co	glish translation for reference(s) glish abstract for reference(s): glish translation of search report/ official communication. py of PCT/EPO Search Report. rtial English translation for reference(s):						
c The following additional information is provided for the Examiner's consideration:							
ì	<ul> <li>A copy of EPO Search Report.</li> <li>A copy of PCT Search Report.</li> <li>A copy of Official Communication from the Patent Office.</li> <li>English translation of search report/ official communication.</li> </ul>						
	FEES						
THIS IDS IS (check one be	BEING FILED UNDER 37 C.F.R. § 1.97(b) ox)						
aX	within three months of the filing date of a national application (37 C.F.R. § 1.97(b) (1)). No fee or certification is required.						
b	within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b) (2)). No fee or certification is required.						
c	before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b) (3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e)below, or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).						

Attorney Docket No.: 60234 (45107) Inventor: Stefan HORETH

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V.	THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c): (check one box)  before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c) (1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c) (2)).					
	a	No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R § 1.17(p).				
	b	or See the certification below. No fee is required.				
VI.	CERTIFICA	TION UNDER 37 C.F.R. § 1.97(e) (check only one box)				
The u	ındersigned l	nereby certifies that				
	a	each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or				
	b	no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.				
	C	Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned certifies that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.				
VII.	FEE PAYME	ENT (check one)				
		osed please find a check in the amount of \$180.00 for the above- ated fee.				
		se charge Deposit Account No. 04-1105 in the amount of \$180.00 ne above-indicated fee.				
_X	No fee is required.					

Attorney Docket No.: 60234 (45107)

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If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule, with a petition if necessary, and charge the appropriate fee to Deposit Account No. 04-1105.

Respectfully submitted,

Date: November 21, 2003

Peter F. Corless Reg. No. 33,860

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Information Disclosure `Statement PTO - 1449			Atty. Docket No: 60234 (45107)  Applicant(s): Stefan HÖRETH  Filing Date  Herewith		Serial No.  Art Unit  Not Yet Known							
United States patent documents												
Exam. Initials	Ref. No.	Document Number	Date	Invento	or(s)	Class		Filing Date				
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FOREIGN PATENT DOCUMENTS												
Exam. Initials	Ref. No.	Document Number	Date	Country or Office	or Class Trans		ranslation					
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other documents (incl. title, author, date, pages, etc)												
Exam. Initials	Ref. No.											
	CA											
	CB Bobba S., et al. "Estimation of Maximum Switching Activity in Digital VLSI Circuits" IEEE August 3, 1997, pages 1130-1133.											
	CC Bhanja S., et al. "Switching Activity Estimation of Large Circuits Using Multiple Bayesian Networks", Proceedings of the 15 <sup>th</sup> International Conference on VLSI Design. IEEE Computer Society pages 187-192.											
Examiner:			D	ate:								